

Title (en)

TIME-MULTIPLEXED DISPLAY OF VIRTUAL CONTENT AT VARIOUS DEPTHS

Title (de)

ZEITMULTIPLEXIERTE DARSTELLUNG VIRTUELLER INHALTE IN VERSCHIEDENEN TIEFEN

Title (fr)

AFFICHAGE MULTIPLEXÉ DANS LE TEMPS D'UN CONTENU VIRTUEL À DIVERSES PROFONDEURS

Publication

EP 3908876 A4 20220309 (EN)

Application

EP 20738194 A 20200110

Priority

- US 201962791441 P 20190111
- US 2020013130 W 20200110

Abstract (en)

[origin: WO2020146760A1] Techniques for operating an optical system are disclosed. World light may be linearly polarized along a first axis. When the optical system is operating in accordance with a first state, a polarization of the world light may be rotated by 90 degrees, the world light may be linearly polarized along a second axis perpendicular to the first axis, and zero net optical power may be applied to the world light. When the optical system is operating in accordance with a second state, virtual image light may be projected onto an eyepiece of the optical system, the world light and the virtual image light may be linearly polarized along the second axis, a polarization of the virtual image light may be rotated by 90 degrees, and non-zero net optical power may be applied to the virtual image light.

IPC 8 full level

G02B 27/01 (2006.01); **G02B 6/27** (2006.01); **G06F 1/16** (2006.01); **G06T 1/00** (2006.01)

CPC (source: EP US)

G02B 5/3083 (2013.01 - US); **G02B 27/0172** (2013.01 - EP US); **G02B 27/283** (2013.01 - EP); **G02B 27/4261** (2013.01 - US); **G02B 27/4272** (2013.01 - US); **G06T 19/006** (2013.01 - US); **H04N 13/279** (2018.05 - US); **H04N 13/344** (2018.05 - US); **G02B 2027/0118** (2013.01 - US); **G02B 2027/0127** (2013.01 - US); **G02B 2027/0138** (2013.01 - US); **G02B 2027/014** (2013.01 - US); **G02B 2027/0178** (2013.01 - EP)

Citation (search report)

- [I] US 2018129048 A1 20180510 - ROBBINS STEVEN JOHN [US], et al
- [E] EP 3914959 A1 20211201 - SAMSUNG ELECTRONICS CO LTD [KR]
- See also references of WO 2020146760A1

Cited by

EP3914959A4; WO2021002641A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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WO 2020146760 A1 20200716; CN 113544570 A 20211022; EP 3908876 A1 20211117; EP 3908876 A4 20220309; JP 2022517207 A 20220307; US 12013537 B2 20240618; US 2021405374 A1 20211230; US 2024295739 A1 20240905

DOCDB simple family (application)

US 2020013130 W 20200110; CN 202080019801 A 20200110; EP 20738194 A 20200110; JP 2021539627 A 20200110; US 202117370882 A 20210708; US 202418661157 A 20240510